

L Number	Hits	Search Text	DB	Time stamp
2	36153	719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.	USPAT; US-PGPUB	2004/04/30 14:06
3	3141	hardware with (abstract\$ or access\$) with interface	USPAT; US-PGPUB	2004/04/30 10:35
4	5359	(hardware or device) with (abstract\$ or access\$) with layer	USPAT; US-PGPUB	2004/04/30 10:36
5	4	(test or diagnos\$) with driver with device with (class or type) with parallel\$	USPAT; US-PGPUB	2004/04/30 15:17
7	17	((test or diagnos\$) with driver with device with (class or type)) and (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.)	USPAT; US-PGPUB	2004/04/30 13:46
8	15	("5379414" "5459867" "5557740" "5630049" "5687376" "5745761" "5774640" "5778226" "5867710" "5910180" "5983366" "5983368" "6009476" "6073253" "6182242").PN.	USPAT	2004/04/30 11:28
9	13	("4327408" "4347608" "4591973" "4617663" "4638455" "4779196" "5033049" "5218605" "5278977" "5301325" "5303166" "5361336" "5361346").PN.	USPAT	2004/04/30 11:37
10	7	("4718064" "5337412" "5390301" "5465364" "5499378" "5586324" "5949993").PN.	USPAT	2004/04/30 11:52
11	1480	driver with bypass\$	USPAT; US-PGPUB	2004/04/30 13:47
12	94	driver with bypass\$ with mode	USPAT; US-PGPUB	2004/04/30 13:48
13	13	driver with bypass\$ with mode with device	USPAT; US-PGPUB	2004/04/30 13:51
14	2	driver with bypass\$ with mode with display	USPAT; US-PGPUB	2004/04/30 13:51
15	4	(test or diagnos\$) with driver with device with (class or type) with parallel\$	USPAT; US-PGPUB	2004/04/30 13:55
16	0	(test or diagnos\$) with driver with device with (class or type) with concurrent\$	USPAT; US-PGPUB	2004/04/30 14:49
17	36	(test or diagnos\$) with (hardware or device) with access\$ with layer	USPAT; US-PGPUB	2004/04/30 14:50
18	8	(test or diagnos\$) with (hardware or device) with access\$ with layer with interface	USPAT; US-PGPUB	2004/04/30 13:57
1	70	(test or diagnos\$) with driver with device with (class or type)	USPAT; US-PGPUB	2004/04/30 14:06
19	324	(719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.) and ((hardware or device) with (abstract\$ or access\$) with layer)	USPAT; US-PGPUB	2004/04/30 14:06
20	4105	719/3\$.ccls.	USPAT; US-PGPUB	2004/04/30 14:08
21	161	719/3\$.ccls. and ((hardware or device) with (abstract\$ or access\$) with layer)	USPAT; US-PGPUB	2004/04/30 14:06
22	70	(test or diagnos\$) with driver with device with (class or type)	USPAT; US-PGPUB	2004/04/30 14:07

23	2	719/3\$.ccls. and ((test or diagnos\$) with driver with device with (class or type))	USPAT;	2004/04/30
24	402	719/321.ccls.	US-PGPUB	14:07
25	41	((hardware or device) with (abstract\$ or access\$) with layer) and 719/321.ccls.	USPAT;	2004/04/30
26	14	("5586304" "5664195" "5715463" "5764992" "5802365" "5870610" "5892928" "5892953" "5910180" "6006034" "6009274" "6023585" "6167567" "6378006").PN.	US-PGPUB	14:08
27	8	(test or diagnos\$) with driver with device with kernel with module	USPAT;	2004/04/30
28	41	(test or diagnos\$) with driver with device with capability	US-PGPUB	14:09
29	0	(test or diagnos\$) with driver with device with capability with (regist\$ or broadcast\$)	USPAT	2004/04/30
30	41	(test or diagnos\$) with driver with device with capability	US-PGPUB	14:11
31	0	(test or diagnos\$) with driver with device with (class or type) with concurrent\$	USPAT;	2004/04/30
32	12	(test or diagnos\$) with (hardware or device) with access\$ with layer	US-PGPUB	14:45
33	9	("4974151" "5014193" "5317695" "5319751" "5339432" "5418960" "5432941" "5459867" "5465364").PN.	USPAT;	2004/04/30
34	698	(test or diagnos\$) with kernel	US-PGPUB	14:45
36	46	(test or testing or diagnos\$) adj kernel	USPAT;	2004/04/30
37	20	(719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.) and ((test or testing or diagnos\$) adj kernel)	US-PGPUB	14:46
38	15	(test or testing or diagnos\$) adj kernel	USPAT;	2004/04/30
39	8	("3748650" "5287504" "5548784" "5586268" "5628029" "5680620" "5784615" "5874960").PN.	US-PGPUB	14:46
40	1	(test or testing or diagnos\$) adj kernel with interface	EPO; JPO;	2004/04/30
41	34	(test or testing or diagnos\$) adj kernel	DERWENT;	14:49
-	17	((test or diagnos\$) with driver with device with (class or type)) and (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.)	IBM_TDB	2004/04/30
-	409	(hardware with (abstract\$ or access\$) with interface) and (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.)	EPO; JPO;	15:17
			DERWENT;	15:17
			IBM_TDB	2004/04/30
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			USPAT	16:11
			USPAT;	2004/04/29
			US-PGPUB	16:54
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			US-PGPUB	16:54

-	0	(((test or diagnos\$) with driver with device with (class or type)) and (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.)) and ((hardware with (abstract\$ or access\$) with interface) and (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.))	USPAT; US-PGPUB	2004/04/29 16:55
-	0	(((test or diagnos\$) with driver with device with (class or type)) and (hardware with (abstract\$ or access\$) with interface)	USPAT; US-PGPUB	2004/04/29 16:55
-	4105	719/3\$.ccls.	USPAT; US-PGPUB	2004/04/29 16:55
-	140	(hardware with (abstract\$ or access\$) with interface) and 719/3\$.ccls.	USPAT; US-PGPUB	2004/04/29 16:55
-	1022	hardware with (abstract\$ or access\$) with layer	USPAT; US-PGPUB	2004/04/30 10:36
-	99	719/3\$.ccls. and (hardware with (abstract\$ or access\$) with layer)	USPAT; US-PGPUB	2004/04/29 16:56
-	309	hardware with (abstract\$ or access\$) with layer with interface	USPAT; US-PGPUB	2004/04/29 16:56
-	314	hardware with (abstract\$ or access\$) with layer with interfac\$	USPAT; US-PGPUB	2004/04/29 16:56
-	30	719/3\$.ccls. and (hardware with (abstract\$ or access\$) with layer with interfac\$)	USPAT; US-PGPUB	2004/04/29 16:57
-	7	("5115392" "5691985" "5740467" "5797043" "5805920" "5809501" "6052744").PN.	USPAT	2004/04/29 17:03

Search Results: "test kernel"

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8	DEC OSF/1: Kernel Debugging	04/25/1998 03:37:20	\\ws05324\ArtCollection\ipc.tm\DEC\unix\Pro
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8	DEC OSF/1: Kernel Debugging	04/25/1998 03:37:20	\\ws05324\ArtCollection\ipc.tm\DEC\unix\Pro
Guide 3.0			
4	Linux Frequently Asked Questions with Answers		05/10/1999 18:03:44
	\\ws05324\ArtCollection\cd005\Operating Systems\Linux		
4	p122-draves.pdf	05/05/1998 18:42:18	\\ws05324\ArtCollection\acm\sosp\1991
2	DEC OSF/1: Documentation Overview, Glossary, and Master Index		04/13/1998 00:41:06
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2	The Amoeba Reference Manual System Administration Guide		08/15/1997 15:24:18
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Search Results: “(test or diagnostic) w/5 kernel”

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22	DEC OSF/1: Kernel Debugging Guide 3.0	04/25/1998 03:37:20	\\ws05324\ArtCollection\ipc.tm\DEC\unix\Pro
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16	The Amoeba Reference Manual System Administration Guide	08/15/1997 15:24:18	\\ws05324\ArtCollection\ipc.tm\os\AMOEBMAN
13	NORMA IPC Version Two: Architecture and Design	10/28/1997 01:19:58	\\ws05324\ArtCollection\ipc.tm\os\MACH_OSF\VOL3
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12	p122-draves.pdf	05/05/1998 18:42:18	\\ws05324\ArtCollection\acm\sosp\1991
6	Linux Frequently Asked Questions with Answers	05/10/1999 18:03:44	\\ws05324\ArtCollection\cd005\Operating Systems\Linux
6	p223-bershad.pdf	12/23/1997 18:56:54	\\ws05324\ArtCollection\acm\asplos\1992.1
4	Cohabitation and Cooperation of Chorus and MacOS	11/30/1997 02:30:12	\\ws05324\ArtCollection\ipc.tm\os\Chorus\TechDoc
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4	DEC OSF/1: Writing Device Drivers: Tutorial	04/13/1998 02:54:04	\\ws05324\ArtCollection\ipc.tm\DEC\unix\Programmer Guide 3.0\Device Driver Guides
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4	MK++ Atomic Actions (Real and Pretended)	10/28/1997 01:28:34	\\ws05324\ArtCollection\ipc.tm\os\MACH_OSF\VOL4
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4	p259-kay.pdf	12/23/1997 21:18:35	\\ws05324\ArtCollection\acm\comm\1993
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4	x-kernel Evaluation at the OSF RI	10/22/1997 02:34:24	\\ws05324\ArtCollection\ipc.tm\os\MACH_OSF\VOL2
3	DEC OSF/1: Documentation Overview, Glossary, and Master Index	04/13/1998 00:41:06	\\ws05324\ArtCollection\ipc.tm\DEC\unix\Introduction
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3	p73-mosberger.pdf	12/23/1997 21:41:44	\\ws05324\ArtCollection\acm\comm\1996
3	The File System Belongs in the Kernel	02/01/1998 02:28:16	\\ws05324\ArtCollection\ipc.tm\os\SPRITE
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2	AA-PS30C-TET1.pdf	04/25/1998 00:56:04	\\ws05324\ArtCollection\ipc.tm\DEC\unix\Pro
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2	CMU-CS-97-118.pdf	04/23/1999 16:26:53	\\ws05324\ArtCollection\cd005\Distributed N
2	Configurable Kernel Project Overview	10/28/1997 01:35:38	\\ws05324\ArtCollection\ipc.tm\os\MACH_OSF\VOL4
2	DEC OSF/1: Reference Pages Section 8 - System Administration Commands, Volume 1	05/08/1998 17:4	\\ws05324\ArtCollection\ipc.tm\DEC\unix\Programmer Guide 3.0\Reference Pages

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2	p170-vajapeyam.pdf	12/23/1997 22:41:45
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2	The Alpha Operating System: Program Maintenance Manual	10/22/1997 02:42:34
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2	The Alpha Operating System: Program Maintenance Manual	10/22/1997 02:42:34
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2	The Magicrouter, an Application of Fast Packet Interposing	05/02/1998 22:13:48
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2	The Sprite Network Operating System	02/01/1998 02:28:30
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Pattern Recognition, 1992. Vol.III. Conference C: Image, Speech and Signal Analysis, Proceedings., 11th IAPR International Conference on , Aug.-3 Sept. 1992

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2 Architectural timing verification and test for super scalar processors

Bose, P.;

Fault-Tolerant Computing, 1994. FTCS-24. Digest of Papers., Twenty-Fourth International Symposium on , 15-17 June 1994

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3 An independent verification tool for multi-vendor Mode S airb transponder conformance testing

Aartman, L.J.; van Heyningen, P.J.; Brun, P.; Ziegler, F.;

Digital Avionics Systems Conference, 2002. Proceedings. The 21st , Volume: 2 , 2002

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4 The Star network computer: a heterogeneous computing syst*Zievers, P.J.; Wu, C.-L.;*Computers and Communications, 1992. Conference Proceedings., Elev
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**5 Exploiting loop-level parallelism on coarse-grained reconfigu
architectures using modulo scheduling***Mei, B.; Vernalde, S.; Verkest, D.; De Man, H.; Lauwereins, R.;*Computers and Digital Techniques, IEE Proceedings- , Volume: 150 , I:
5 , 22 Sept. 2003

Pages:255-61

[\[Abstract\]](#) [\[PDF Full-Text \(267 KB\)\]](#) **IEE JNL**

**6 Exploiting loop-level parallelism on coarse-grained reconfigu
architectures using modulo scheduling***Bingfeng Mei; Vernalde, S.; Verkest, D.; De Man, H.; Lauwereins, R.;*Design, Automation and Test in Europe Conference and Exhibition, 200
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**7 DRESC: a retargetable compiler for coarse-grained reconfigu
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1 [An explanatory and "argumentative" interface for a model-based diagnostic system](#)

Christopher A. Miller, Raymond Larson

 December 1992 **Proceedings of the 5th annual ACM symposium on User interface software and technology**

Full text available: pdf(916.12 KB)

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That intelligent systems need an explanatory capability if they are to aid or support human users has long been understood. A system which can justify its decisions generally obtains improved user trust, greater accuracy in use and offers embedded training potential. Extensive work has been done to provide rule-based systems with explanatory interfaces, but little has been done to provide the same benefits for model-based systems. We develop an approach to organizing the presentation of lar ...

2 [Implementation of a diagnostic and troubleshooting multi-agent system for cellular networks](#)

Mahamat Guiagoussou, Said Soulhi

 August 1999 **International Journal of Network Management**, Volume 9 Issue 4

Full text available: pdf(570.61 KB)

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This article presents the implementation of a maintenance application for cellular switching system using the multi-agent paradigm. The main philosophy behind the design of the multi-agent system is based on the TMN framework, where each agent can mapped with one or several TMN functional blocks. Copyright © 1999 John Wiley & Sons, Ltd.

3 [DORA:: CAD interface to automatic diagnostics](#)

R. W. Allen, M. M. Ervin-Willis, R. E. Tulloss

 January 1982 **Proceedings of the nineteenth design automation conference**

Full text available: pdf(478.99 KB)

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This paper will discuss a family of CAD tools supporting automatic diagnosis and the usage of those tools in Western Electric Company (WECo) testing. The CAD tools described in this paper are part of a package developed at the Engineering Research Center (ERC), Princeton, New Jersey. The Diagnostic Organization and Retrieval Algorithms (DORA) System is a complex of programs which provide audited test programs and diagnostic data files from the results of LAMP (Logic Analyzer for Maintenance ...

4 [A Diagnostic Emulator for HEAO software development](#)

Peter H. Beer, Kenneth J. Hupf

August 1976 **Proceedings of the fourth symposium on Simulation of computer systems**

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Diagnostic Emulation is the application of microprogramming to the emulation of an operational computer to support software development and verification for that computer. A conventional technique, Interpretive Computer Simulation (ICS), has been used for many years in support of such software development and verification efforts. The ICS method is becoming less cost effective. For the development of attitude control software for NASA's High Energy Astronomical Observatory (HEAO) diagnostic ...

5 Pictorial interfaces: Assisted browsing in a diagnostic image database

A. F. Abate, M. Nappi, G. Tortora, M. Tucci

May 1996 **Proceedings of the workshop on Advanced visual interfaces**

Full text available: [pdf\(2.66 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

The paper describes a significant part of an experimental system for producing digital medical images, processing them to extract suitable spatial indexes, and to store and retrieve by content such images in order to provide users with an assisted visual browser to navigate a distributed archive. A prerequisite for the system described in this paper is that a physician should be able to manipulate the diagnostic images by simple visual commands that allow content-based access. In particular, the ...

6 Making the user interface disappear: the reactive room

Jeremy R. Cooperstock

November 1995 **Proceedings of the 1995 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: [pdf\(197.12 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Ubiquitous computing is an attempt to simplify human-computer interaction by embedding computational power in everyday objects. The resulting technology is distributed yet invisible. This approach offers an appealing alternative to current complex user interfaces. However, invisible technology by itself may be unacceptable to most users. If ubiquitous computing is to gain acceptance, it must provide a seamless manual override mechanism and meaningful diagnostics. Our implementation of a computer- ...

7 The network architecture of the Connection Machine CM-5 (extended abstract)

Charles E. Leiserson, Zahi S. Abuhamdeh, David C. Douglas, Carl R. Feynman, Mahesh N. Ganmukhi, Jeffrey V. Hill, Daniel Hillis, Bradley C. Kuszmaul, Margaret A. St. Pierre, David S. Wells, Monica C. Wong, Shaw-Wen Yang, Robert Zak

June 1992 **Proceedings of the fourth annual ACM symposium on Parallel algorithms and architectures**

Full text available: [pdf\(2.00 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

8 Expert diagnostic system

Gholam H. Khaksari

June 1988 **Proceedings of the first international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1**

Full text available: [pdf\(499.05 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

9

An interactive diagnostic/debugging subsystem for bit-slice processors

F. J. Burkowski

December 1985 **ACM SIGMICRO Newsletter , Proceedings of the 18th annual workshop on Microprogramming**, Volume 16 Issue 4Full text available:  pdf(827.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper discusses the design and implementation of a debugging/diagnostic subsystem for a bit-slice processor. The subsystem uses serial shadow registers under the control of a single chip microcomputer both to observe and to control processor behavior. Serial lines link the microcomputer to a diagnostic host which provides the user with a comprehensive set of interactive diagnostic commands. Using these commands, the user is able to load the writable control store, verify its contents, ...

10 An expert system for diagnosis and maintaining the AT&T 3B4000 computer: an architectural description

James A. Kavicky, George D. Kraft

June 1989 **Proceedings of the second international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1**Full text available:  pdf(1.09 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Major computer vendors have concentrated on enhancing diagnostic and maintainability aspects of their computer systems to permit a prompt repair interval with a minimal amount of technical support interaction. This paper proposes an architectural description for an automated diagnostic and recovery expert system. The authors obtained sufficient domain knowledge of both the AT&T 3B4000 Computer and the AT&T technical support organization and chose the 3B4000 Computer as a vehicle for ...

11 Full Papers: Domain, task, and user models for an adaptive hypermedia performance support system

Peter Brusilovsky, David W. Cooper

January 2002 **Proceedings of the 7th international conference on Intelligent user interfaces**Full text available:  pdf(725.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Electronic Performance Support Systems (EPSS) is a challenging application area for developing intelligent interfaces. Some possible scenarios for using domain, task, and user models for adaptive performance support were explored in the context of the Adaptive Diagnostics and Personalized Technical Support (ADAPTS) project. ADAPTS provides an intelligent, adaptive EPSS for maintaining complex equipment.

Keywords: adaptive hypermedia, adaptive presentation, domain model, performance support, task model, user model

12 Towards automatic evaluation of multimodal user interfaces

Sandrine Balbo, Joëlle Coutaz, Daniel Salber

February 1993 **Proceedings of the 1st international conference on Intelligent user interfaces**Full text available:  pdf(807.76 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Wizard of Oz, capture of behavioral data, multimodal user interface, user interface evaluation techniques

13 Dynamic fault collapsing and diagnostic test pattern generation for sequential circuits

Vamsi Boppana, W. Kent Fuchs

November 1998 **Proceedings of the 1998 IEEE/ACM international conference on Computer-aided design**

Full text available:  pdf(877.59 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

14 A programmable interface language for heterogeneous distributed systems

Joseph R. Falcone

October 1987 **ACM Transactions on Computer Systems (TOCS)**, Volume 5 Issue 4

Full text available:  pdf(1.77 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The 1980s have witnessed the emergence of a new architecture for computing based on networks of personal computer workstations. The performance requirements of such systems of workstations places a strain on traditional approaches to network architecture. The integration of diverse systems into this environment introduces functional compatibility issues that are not present in homogeneous networks. Effective prescriptions for functional compatibility, therefore, must go beyond the communica ...

15 An applied ethnographic method for redesigning user interfaces

Anne Rose, Ben Shneiderman, Catherine Plaisant

August 1995 **Proceedings of the conference on Designing interactive systems: processes, practices, methods, & techniques**

Full text available:  pdf(897.70 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

16 Assessing software maintainability

Gerald M. Berns

January 1984 **Communications of the ACM**, Volume 27 Issue 1

Full text available:  pdf(781.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

How easy is it to maintain a program? To a large extent, that depends on how difficult the program is to understand. A technique to measure program difficulty yields encouraging results.

Keywords: Fortran programs, debugging aids, maintainability measures, program maintainability

17 Automatic generation of diagnostic programs for TOSBAC - 5400/150

Akira Miyoshi

June 1973 **Proceedings of the tenth design automation workshop on Design automation**

Full text available:  pdf(611.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Because the computer is playing an increasing important role in the community, its availability has become an essential and inherent factor. The availability of a computer is defined by the formula: $\text{availability} \approx 100 \times \text{MTBF} / (\text{MTBF} + \text{MTTR})$ (%) where MTBF \approx mean time between failures MTTR \approx mean time to repair. The techniques for components such as MSI, LSI and IC and for manufacturing have drastically improved the MTBF during the relativ ...

Developments in simulation and instrumentation: Web100: extended TCP instrumentation for research, education and diagnosis

Matt Mathis, John Heffner, Raghu Reddy

July 2003 **ACM SIGCOMM Computer Communication Review**, Volume 33 Issue 3

Full text available:  pdf(215.29 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

TCP has become the dominant protocol for all network data transport because it presents a simple uniform data delivery service which is sufficient for most applications over all types of lower network layers. By its very nature, TCP's adaption and retransmission strategies hide all of the details of the lower layers from the application. For example the only symptom of spurious packet loss (or nearly any other network problem) is longer elapsed time and lower performance. This information hiding ...

Keywords: Net100, TCP Performance, Web100, instrumentation

19 An implementation of microdiagnostics on the ECLIPSE® MV/8000

Paul Reilly, Elizabeth Shanahan, Steven Staudaheer

November 1980 **Proceedings of the 13th annual workshop on Microprogramming**

Full text available:  pdf(388.32 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The effectiveness of using a microcoded Independent Diagnostic Instruction Set for the development, manufacturing and field support of the 32-bit ECLIPSE® MV/8000 data processing system is demonstrated. A separate Diagnostic Processor with a simple operating system and microcode debugging facility is used to aid in this task.

20 Multilingual programming: Coordinating programs, user interfaces, on-line help and documentation

Gary Perlman

February 1986 **Proceedings of the 4th annual international conference on Systems documentation**

Full text available:  pdf(877.29 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The high cost of software is not due to the difficulty of coding, but in recoding and redocumenting software. This can be better understood when one considers how many expressions of the same ideas must be constructed and coordinated. Program code and comments, user interface and on-line help, and a variety of off-line documents, all must be consistent. A solution to the coordination problem is presented in this paper. Multilingual programming is a method of developing software that uses a ...

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